

AMENDMENTS TO SPECIFICATION

Replace the paragraph at page 1, lines 3-6, with the following:

This application is a continuation-in-part claims the benefit of U.S. Application No. 09/291,922, filed April 14, 1999, now granted as U.S. Patent No. 6,383,776, which claims priority to U.S. Provisional Application No. 60/083,044, filed April 24, 1998, the entire contents of which are hereby incorporated by reference.

Replace the paragraph at page 2, lines 29-33, with the following:

Figures 1A, 1B, 1C, 1D, 1E, 1F and 1G show ~~Figure 1 shows~~ a comparison of the amino acid sequences set forth in SEQ ID NOs:2, 4, 6, 8, 10, 12, 14, 16, and 32 with the *Arabidopsis thaliana*-like sugar transport protein amino acid sequence set forth in SEQ ID NOs:29 and 37. Amino acid designations in small case letters represent regions that are thought to be *Arabidopsis thaliana*-like sugar transport protein signatures.

Replace the paragraph at page 2, lines 34-36, with the following:

Figures 2A, 2B, 2C and 2D show ~~Figure 2 shows~~ a comparison of the amino acid sequences set forth in SEQ ID NOs:18, 20, 22, 24, 26, 28, and 36 with the *Beta vulgaris*-like sugar transport protein amino acid sequence set forth in SEQ ID NO:30 and 38.

Replace the paragraph at page 26, lines 9-16, with the following:

Figures 1A, 1B, 1C, 1D, 1E, 1F and 1G present ~~Figure 1 presents~~ an alignment of the amino acid sequences set forth in SEQ ID NOs: 2, 4, 6, 8, 10, 12, 14, 16, and 32, and the *Arabidopsis* and rice sequences (SEQ ID NOs:29 and 37). The data in Table 5 represents a calculation of the percent identity of the amino acid

sequences set forth in SEQ ID NOs:2, 4, 6, 8, 10, 12, 14, 16, and 32, and the *Arabidopsis* and rice sequences (SEQ ID NOs:29 and 37). The BLAST pLog score for the corn sequence is the highest possible under the new BLAST format (i.e. >180.00), under the previous search (Table 3) this score would have been >250.00.

Replace the paragraph at page 29, lines 14-21, with the following:

Figures 2A, 2B, 2C and 2D present ~~Figure 2 presents~~ an alignment of the amino acid sequences set forth in SEQ ID NOs:18, 20, 22, 24, 26, 28, and 36, and the *Beta vulgaris* and rice sequences (SEQ ID NOs:30 and 38). The data in Table 5 represents a calculation of the percent identity of the amino acid sequences set forth in SEQ ID NOs:18, 20, 22, 24, 26, 28, and 36, and the *Beta vulgaris* and rice sequences (SEQ ID NOs:30, and 38). The BLAST pLog score for the corn sequence is the highest possible under the new BLAST format (i.e. >180.00), under the previous search (Table 3) this score would have been >250.00.